

31 July 1967

Talked with [redacted] just after a talk with [redacted] suggested

that before he decides what to do about the experiment he would like to have an estimate of the cost from [redacted]

I asked [redacted] for the following statement

- 1) Statement of program design
- 2) Expected results
- 3) Time & Material required
- 4) Computer time & cost
- 5) Cost not using computer
- 6) What possible data variations to get various results (measurements)

He indicated that he could have these for me by 14 August 1967.

Trip Report to [redacted] 5-6 February 1968 STAT

On 5 February 1968 [redacted] met with STAT

[redacted] at Dayton Ohio, STAT  
 where [redacted] was briefed on the status STAT  
 of the gamma product study.

The gamma product study was essentially divided into 3 phases: producing a gamma product of .5, a gamma product of 1 and a gamma product of 2. The first phase, the study and production of a technique for obtaining a gamma product of .5 has been completed. Work is currently proceeding on the other two phases. A complete set of procedures will be forthcoming in a six month report.

[redacted] also met with [redacted] STAT

[redacted] concerning ~~the~~ task #2, a program STAT

for keeping the laboratory informed as to the state of the art in color systems. As a first product, [redacted] has requested STAT

that [redacted] produce ~~provide~~ a report on current STAT  
 methods for reproducing positive transparencies. STAT

On Feb. 6, [redacted] STAT

met with [redacted] who demonstrated STAT  
 the color spray processor developed for Wright Patterson AFB.

also met with [redacted]

Visited [redacted] July 18, 1967

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[redacted] and I met with [redacted] with whom we discussed Image Analysis. We were shown a method whereby the image was digitized and stored in a computer. The readout consisted of a series of various sized black squares, which, when printed out on a sheet of paper, composed a mosaic segment of an enlargement of the stored image.

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We also met with [redacted] and discussed the Noah's Ark Project. It was decided that since the project had been around so much since its inception that it would be a good idea to meet with [redacted] of the Development Branch and assess the objectives and delegate responsibilities.

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MEMORANDUM ON NOAH'S ARK

On 3 May [ ] of the Development Branch and [ ]  
of the Exploratory Development Laboratory met with [ ] of  
[ ] in Dayton, Ohio. The  
purpose of the visit was to coordinate the work being done in the Human  
Factors Program by [ ] and the Light Preference Study using the Noah's  
Ark apparatus.

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After a preliminary discussion of the objectives and the available  
control parameters we decided to rewrite the program as follows:

I. Through [ ] the Department of Agriculture will supply us with a  
set of 80 photographs of Arkansas farmland. These photographs are very  
much alike; yet, no two are of the same area.

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Performance measurements will be made on a group of 20 photointerpreters.  
Using one of four possible light sources, a P.I. will <sup>view</sup> an aerial photo and  
an enlargement of a target. He will be asked if the target is on the  
photograph. His answer will be evaluated according to the time he spent  
on the problem and the correctness of his answer. Each succeeding photo  
is then presented with a different light source.

II. Preferences will be noted by displaying two of the aforementioned  
light sources, in some random fashion, side by side on the lighted panels  
and simply asking the testee which he preferred.

III. At the completion of the testing procedures, the P.I. will be asked  
to give his personal evaluation of the test program.

The collected data will be statistically analysed to see if any  
meaningful measure of performance achieved and if there is a correlation  
between the light used and the performance.